

## ***Mathias Schreier - CV***

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### **Education**

- Diplom (M.Sc), Meteorology, Ludwig-Maximilians-University Munich, Germany (2003)
- Ph.D., Atmospheric Physics, University of Bremen, Germany (2007)

### **Professional Experience**

- Jet Propulsion Laboratory (2009 – present)
  - o Post-Doc within Joint Institute for Regional Earth System Science and Engineering (JIFRESSE) of UCLA/JPL
- University of Bremen (2004-2008)
  - o Research Assistant within the SeaKLIM-project
- Meteorological Institute Munich, LMU Munich (2003-2004)
  - o Research Assistant

### **Projects:**

- AIRS

### **Selected Publications**

1. **Schreier, M.** A. A. Kokhanovsky, V. Eyring, L. Bugiaro, H. Mannstein, B. Mayer, H. Bovensmann, and J. P. Burrows: Impact of Ship Emissions on Microphysical, Optical and Radiative Properties of Marine Stratus: A Case Study, *Atmos. Chem. and Phys.*, 6, 4925-4942, 2006.
2. **Schreier M.**, H. Mannstein, V. Eyring, and H. Bovensmann: Global ship track distribution and radiative forcing from 1-year of AATSR-data, *Geophysical Research Letters*, 34, L17814, doi:10.1029/2007GL030664, 2007.
3. Seefeldner, M., A. Oppenrieder, D. Rabus, J. Reuder, **M. Schreier**, P. Hoepppe, and P. Koepke: A two-axis tracking system with datalogger, *Journal of Atmospheric and Oceanic Technology*, 21, 975-979, 2004.
4. Kokhanovsky A. A., T. Nauss, **M. Schreier**, W. von Hoyningen-Huene, and J.P. Burrows: The intercomparison of cloud parameters derived using multiple satellite instruments, *IEEE Transactions on Geoscience and Remote Sensing*, 45, 195-200, 2007.
5. Kokhanovsky A.A., **M. Schreier**, and W. von Hoyningen-Huene: The comparison of spectral top-of-atmosphere reflectances measured by AATSR, MERIS, and SCIAMACHY onboard ENVISAT, *IEEE Transactions on Geoscience and Remote Sensing*, 5, 53-56, 2008.
6. Kokhanovsky A. A., and **M. Schreier**: The determination of snow specific surface area, albedo, and effective grain size using AATSR spaceborne measurements, *International Journal of Remote Sensing*, 30, 919-933, 2009.